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# Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION  
AND NATURAL RESOURCES  
DIVISION OF WATER RESOURCES

AS OF  
April 1, 1981

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*COVER PHOTO: SNOW SURVEYORS MAKING SPECIAL MEASUREMENTS OF  
THE SNOWPACK NEAR MT. ST. HELENS VOLCANO, WASHINGTON, APRIL 1980.*

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.





# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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*All averages are for 1963-1977 period.*

# WATER SUPPLY OUTLOOK FOR NEVADA

\* \* \* \* \*  
\*  
\* FORECASTS FOR THIS SPRING AND SUMMER RUNOFF ARE SIMILAR TO LAST \*  
\* MONTH. IN SUMMARY, THE RUNOFF FOR THE STREAMS ON THE EAST SLOPE \*  
\* OF THE SIERRA IS EXPECTED TO BE 45 TO 65 PERCENT OF AVERAGE. THE \*  
\* HUMBOLDT RIVER AND OTHER STREAMS OF NEVADA ARE EXPECTED TO HAVE \*  
\* 30 TO 50 PERCENT OF AVERAGE STREAMFLOWS. \*  
\*  
\* SURFACE WATER SUPPLIES WILL GENERALLY BE ADEQUATE FOR THOSE USERS \*  
\* WITH LAKE AND RESERVOIR WATER TO SUPPLEMENT STREAMFLOWS. WATER \*  
\* USERS WITHOUT RESERVOIRS WILL HAVE SHORTAGES BY MID-SUMMER. \*  
\*  
\* RESERVOIR STORAGE AMOUNTS ARE AVERAGE TO ABOVE AVERAGE EXCEPT FOR \*  
\* LAKE TAHOE WITH 373,000 ACRE-FEET OF USABLE STORAGE, ONLY 75 PER- \*  
\* CENT OF THE 1963-77 AVERAGE. \*  
\*  
\* \* \* \* \*

## SIERRA EAST SLOPE

Snow course measurements indicate the water in the snowpack is still below average for April 1. Snow water amounts are now 58 percent in the Truckee Basin; 62 percent in the Tahoe Basin; 70 percent in the Carson Basin; and 73 percent in the Walker Basin. This is a slight improvement over the March 1 percentages. The April 1 snow water is the usual time of maximum water content in the snowpack.

Warm weather and rain caused considerable melt of the low and medium elevation snowpack during the month. The two major storm periods, March 19-23 and March 25-30, contributed significantly to the high elevation (7,000 feet) snowpack but little to other snowpack areas. Snow at the lower elevations melted rapidly adding to the soil moisture.

Donner Summit snow course has 58 inches snow depth with 22.4 inches of water as compared to an average of 82 inches depth and 35.9 inches of water. Mt. Rose snow course has 62 inches depth with 20.8 inches of water compared to an average of 86 inches depth and 35.9 inches of water content. Sonora Pass has 53 inches depth with 17.8 inches of water as compared to an average of 59 inches depth and 23.1 inches of water.

Forecasts for this spring and summer streamflows are nearly the same as last month's on Lake Tahoe Rise and the Truckee River, and slightly above last month's for the Carson and Walker Rivers. These range from 46 to 66 percent of average. Lake Tahoe Rise, April 1 to high elevation, assuming gates are closed, is predicted at 0.65 feet. The surface water elevation is now 6,226.07 feet. The Truckee River at Farad is forecast to have a streamflow of 51 percent, the Carson River near Carson City of 55 percent, and the West Walker River of 68 percent of the 1963-77 average.

Reservoir storage is average to above average in all reservoirs except Lake Tahoe which has 75 percent of average usable storage.

#### HUMBOLDT BASIN

Many of the snow course measurements were taken prior to the end of the month storm but the measurements indicate the snow water was about 55 percent of average in the Upper Humboldt and about 30 percent of average on the Lower Humboldt. SNOTEL sites indicated snow water increases of 0.5 to 3.5 inches during March 26-31. Most significant snow water increases were above 7,500 feet elevations. Precipitation below 7,500 feet will increase soil moisture, benefiting vegetative growth this spring. Areas showing the largest snow water increases were in the Ruby Mountains and the Toiyabe Range.

Streamflow predictions for this spring and summer are slightly higher than last month's. The Humboldt River at Palisade now has a forecasted streamflow of 95,000 acre-feet for 41 percent of average. Other tributaries in the Humboldt Basin have forecasts for streamflow ranging from 29 to 75 percent of average.

Rye Patch reservoir now contains 168,000 acre-feet as compared to 156,000 acre-feet last year.

#### OWYHEE AND SNAKE BASINS

Snow course measurements in these basins indicate increases during the month and particularly on the higher elevations. The low elevation snow courses were void of snow before the month-end storm and most precipitation at these sites was rain and intermittent snow.

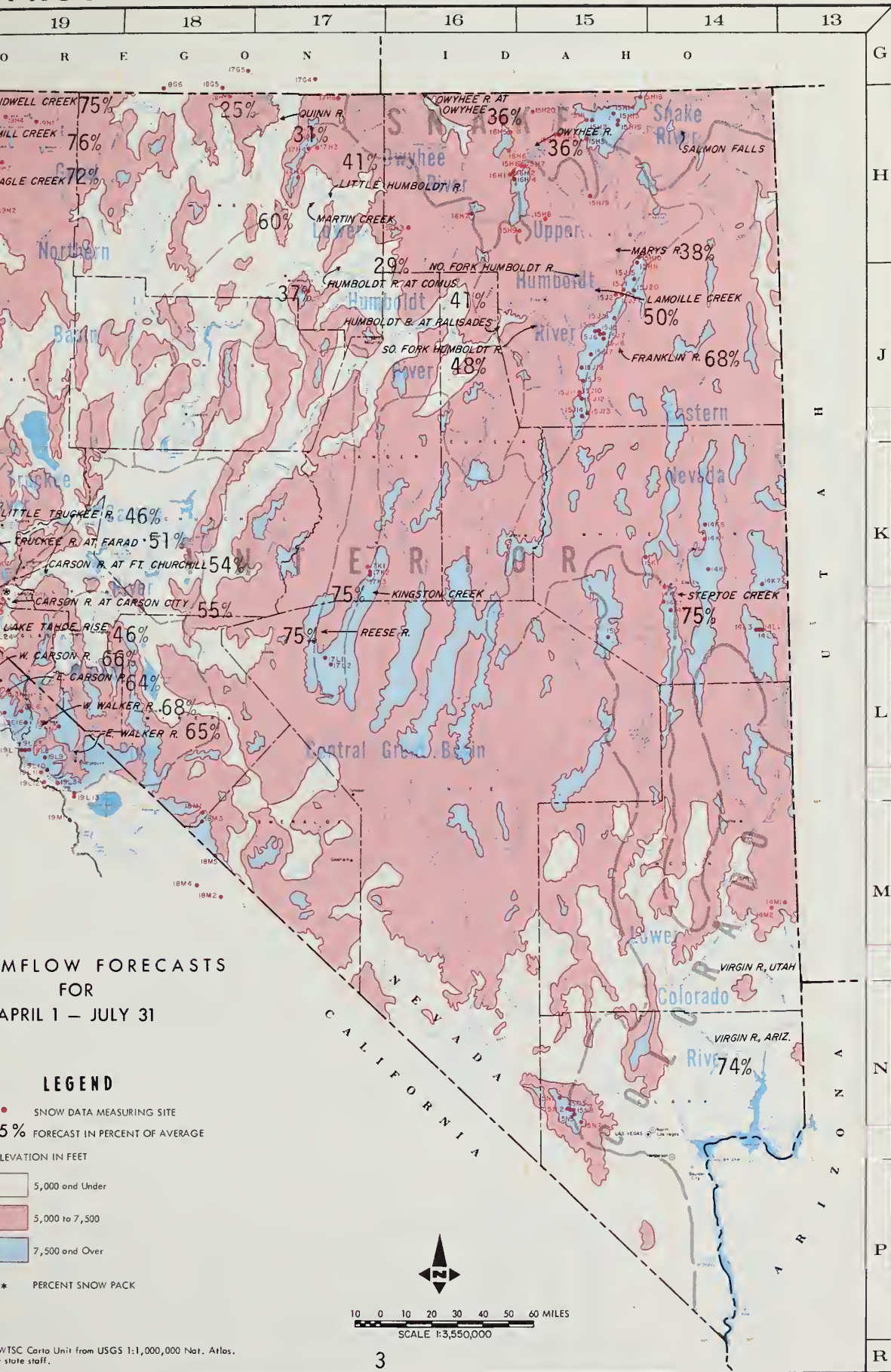
Streamflows this spring and summer will be much below average. Wild Horse Reservoir contains 52,000 acre-feet as compared to 46,000 acre feet last year.

#### NORTHERN AND CENTRAL GREAT BASINS, EASTERN NEVADA AND LOWER COLORADO BASIN

Snow measurements indicate snowpacks in these areas have snow water contents ranging from 60 percent in the Northern Great Basin to 90 percent in the Lower Colorado Basin. Storms during the month contributed to the soil moisture that will enhance vegetative growth this spring. Streams in these areas will have less than average flows this year.



# PROSPECTIVE WATER SUPPLY FOR NEVADA



# INDEX TO NEVADA SNOW COURSES

(By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
<b>SNAKE RIVER BASIN</b>					
<b>SNAKE RIVER</b>					
15H15MA	Bear Creek	31	46N	58E	7800
15H2	Fox Creek	33	46N	58E	6800
15H135A	Goat Creek	31	46N	60E	8800
15H15A	Hummingbird Springs	6	45N	60E	8945
15H20a	Merritt Mountain	10	46N	54E	7000
15H145A	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H35A	76 Creek	6	44N	58E	7100
15H19a	Stag Mountain	32	41N	58E	7800

<b>OWYHEE RIVER</b>					
15H45M	Big Bend	30	45N	56E	6700
16H6a	Columbia Basin	31	44N	53E	6650
16H8a	Fawn Creek	2	45N	52E	7000
15H5	Gold Creek	32	45N	56E	6600
16H1M	Jack Creek, Lower	18	42N	53E	6800
16H25AM	Jack Creek, Upper	9	42N	53E	7250
16H45	Jacks Peak	21	42N	53E	8420
16H55	Laurel Draw	20	45N	53E	6700
17G4a	Louse Canyon (OR)	27	40E	44E	6440
15H9MP	Taylor Canyon	35	39N	53E	6200

## INTERIOR

<b>UPPER HUMBOLDT RIVER</b>					
15J17a	American Beauty	32	31N	58E	7800
15J125A	Corral Canyon	27	28N	57E	8500
15J15M	Oorsey Basin	28	35N	60E	8100
15J3	Ory Creek	5	34N	60E	6500
15H7	Fry Canyon	31	43N	54E	6700
15J95M	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J4	Lamoille #1	15	32N	58E	7100
15J65	Lamoille #3	24	32N	58E	7700
15J8P	Lamoille #5	31	32N	59E	8700
15J20	Pole Canyon #2	6	34N	61E	7700
15J16a	Robinson Lake	23	33N	59E	9200
15H6MP	Rodeo Flat	36	43N	53E	6800
15J2	Ryan Ranch	1	34N	59E	5800
15J19	Smith Creek	26	30N	57E	7600
15H8	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

## LOWER HUMBOLDT RIVER

17K1	Big Creek Campground	10	17N	43E	6600
17K2	Big Creek Mine	23	17N	43E	7600
17K3	Big Creek, Upper	26	17N	43E	7800
17H2	Buckskin, Lower	25	45N	39E	6700
17H1	Buckskin, Upper	11	45N	39E	8200
17L1	Corral, Lower	12	11N	40E	7500
17L2	Corral, Upper	20	11N	41E	8000
17J2	Golconda #2	22	35N	39E	6000
17H4	Granite Peak	22	44E	39E	7800
17H5	Lanance Creek	13	42N	38E	6000
17H3	Martin Creek	13	44N	39E	6700
16H3AP	Midas	18	39N	46E	7200
16H7a	Toe Jam	29	40N	50E	7700

## EASTERN NEVADA

14L1	Baker #1	29	13N	69E	7950
14L2	Baker #2	30	13N	69E	8950
14L3	Baker #3	25	13N	68E	9250
14K25	Berry Creek	26	17N	65E	9100
14K1	Bird Creek	34	19N	65E	7500
14K9a	Defiance Mines	9	14N	63E	9200
15J15	Hole-in-Mountain	6	35N	61E	7900
14K8	Kalamazoo Creek	34	20N	65E	7400
14K3	Murray Summit	25	16N	62E	7250
15K1	Robinson Summit	34	18N	61E	7600
14K7	Silver Creek #2	30	16N	69E	8000
14K5	Ward Mountain #2	25	15N	62E	8900

## CENTRAL GREAT BASIN

18M2	Campito Mountain (CA)	19	55	35E	10200
18M5a	Chiatovich Flat (CA)	32	25	34E	10500
15N2	Clark Canyon	8	19S	56E	9000
18M1	Montgomery Pass	4	1N	33E	7100
18M3a	Pinchot Creek (CA)	28	1N	33E	9300
18M4a	Piute Pass (CA)	33	45	33E	11700
15N1	Trough Springs	23	18S	55E	8500

## NORTHERN GREAT BASIN

19H1a	Bald Mountain	17	45N	21E	6270
20H5	Barber Creek (CA)	23	39N	16E	6500
20H6	Cedar Pass (CA)	12	43N	14E	7100
19G6a	Oeno Creek (OR)	14	41S	34E	6000
18H1	Disaster Peak	8	47N	34E	6500
20H3a	Dismal Swamp (CA)	31	48N	17E	7000
20H7	Eagle Peak (CA)	35	40N	15E	7200
19H3	49 Mountain	7	42N	19E	6000
19H2	Hays Canyon	1	39N	18E	6400
19H4a	Little Bally Mountain	8	45N	19E	6000
20H9	Mt. Bidwell (CA)	6	47N	16E	7200
20H10	North Star (CA)	13	47N	16E	6200
17G5a	Oregon Canyon (OR)	9	40S	40E	7240
17H6a	Quinn Ridge	9	47N	41E	6300
20H4	Reservation Creek (CA)	12	46N	15E	5900
18G5a	Trout Creek (OR)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
<b>LAKE TAHOE</b>					
20L65	Echo Peak (CA)	35	12N	17E	7800
20L5	Echo Summit (CA)	6	11N	18E	7450
20L105	Fallen Leaf (CA)	36	13N	17E	6300
19L2	Frael Bench (CA)	36	12N	18E	7300
19K6	Glenbrook #2	13	14N	15E	6900
19L3M5	Haagans Meadow (CA)	36	12N	18E	8000
19L245	Heavenly Valley (CA)	1	12N	18E	8850
20L4	Lake Lucille (CA)	28	12N	17E	8200
19K4M5	Marlette Lake	18	15N	19E	8000
20L3	Richardsons #2 (CA)	6	12N	18E	6500
20L1	Rubicon #1 (CA)	6	13N	17E	8100
20L2	Rubicon #2 (CA)	6	13N	17E	7500
20K16	Tahoe City (CA)	6	15N	17E	6250
20K26	Tahoe City Alt. (CA)	7	15N	17E	6300
20K275	Tahoe City Cross (CA)	1	15N	16E	6750
19L1	Upper Truckee (CA)	21	12N	18E	6400
20K25	Ward Creek (CA) #3	21	15N	16E	6750
20K17	Ward Creek #2 (CA)	21	15N	16E	7000

## TRUCKEE RIVER

20K14	Boca #2 (CA)	28	18N	17E	5900
20K22	Brockway Summit (CA)	3	17N	16E	7100
20K21	Donner Park #2 (CA)	18	17N	16E	6000
20K10	Donner Summit (CA)	25	17N	14E	6900
20K7*	Fordyce Lake (CA)	34	18N	13E	6500
20K8*	Furnace Flat (CA)	10	17N	13E	6700
20K4M5	Independence Camp (CA)	34	19N	15E	7000
20K35	Independence Creek (CA)	14	19N	15E	6500
20K55	Independence Lake (CA)	9	18N	15E	8450
19K3	Little Valley	17	16N	19E	6300
19K25	Mt. Rose	7	17N	19E	9000
19K7	Mt. Rose 5ki Area	30	17N	19E	9000
20K5	Sage Hen Creek (CA)	7	18N	16E	6500
20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
20K135	Truckee #2 (CA)	22	17N	16E	6400
20K2*	Webber Lake (CA)	29	19N	14E	7000
20K1*	Webber Peak (CA)	30	19N	14E	8000

## CARSON RIVER

19L5	Blue Lakes (CA)	30	9N	19E	8000
19L4	Carson Pass, Upper (CA)	22	10N	18E	8600
19K5	Clear Creek	6	14N	19E	7300
19L19A	Ebbetts Pass (CA)	17	8N	20E	8700
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L065	Poison Flat (CA)	25	8N	21E	7900
19L315	Wet Meadows #2 (CA)	26	9N	19E	8050
19L18A	Wet Meadows Lake (Cal.)	25	9N	19E	8100
19L20a	Wolf Creek (Cal.)	35	8N	20E	8000

## WALKER RIVER

19L11	Buckeye Forks (CA)	20	4N	23E	8500
19L10	Buckeye Roughs (CA)	15	4N	23E	7900
19L12	Center Mountain (CA)	4	3N	23E	9400
19L8	Leavitt Meadows (CA)	4	5N	22E	7200
19L175A	Lobdell Lake (CA)	20	7N	24E	9200
19L34	Sawmill Ridge (CA)	17	3N	24E	8750
19L7	Sonora Pass (CA)	1	5N	21E	8800
19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
19M1*	Tioqa Pass (CA)	30	1N	25E	9900
19L13	Virginia Lakes (CA)	5	2N	25E	9500
19L22M5	Virginia Lakes Ridge (CA)	32	2N	25E	9200
19L9	Willow Flat (CA)	21	5N	23E	8250

## COLORADO

### LOWER COLORADO RIVER

15N5	Kyle Canyon	27	19S	56E	8200
15N3	Lee Canyon #2	9	19S	56E	9200
15N8	Lee Canyon #3	10	19S	56E	8500
14M1	Mathew Canyon	10	6S	70E	6000
14M2	Pine Canyon	23	6S	69E	6200
15N7	Rainbow Canyon #2	6	20S	57E	8100
15L1	White River #1	31	13N	59E	7400

## LEGEND

### NUMBERING SYSTEM (EXAMPLE)

19K4	Snow Course Only
19K45	Snow Course with SNOTEL
19K4M	Snow Course and Soil Moisture
19K4A	Snow Course and Aerial Marker
19K4P	Snow Course and Storage Precipitation Gage
19K4MA	Snow Course, Soil Moisture and Aerial Marker
19K4MP	Snow Course, Soil Moisture, and Precipitation Gage

Lower case letter "a" indicates no snow course, only an Aerial Marker  
SNOTEL has telemetered data for snow pillow, precipitation gage and temperature.



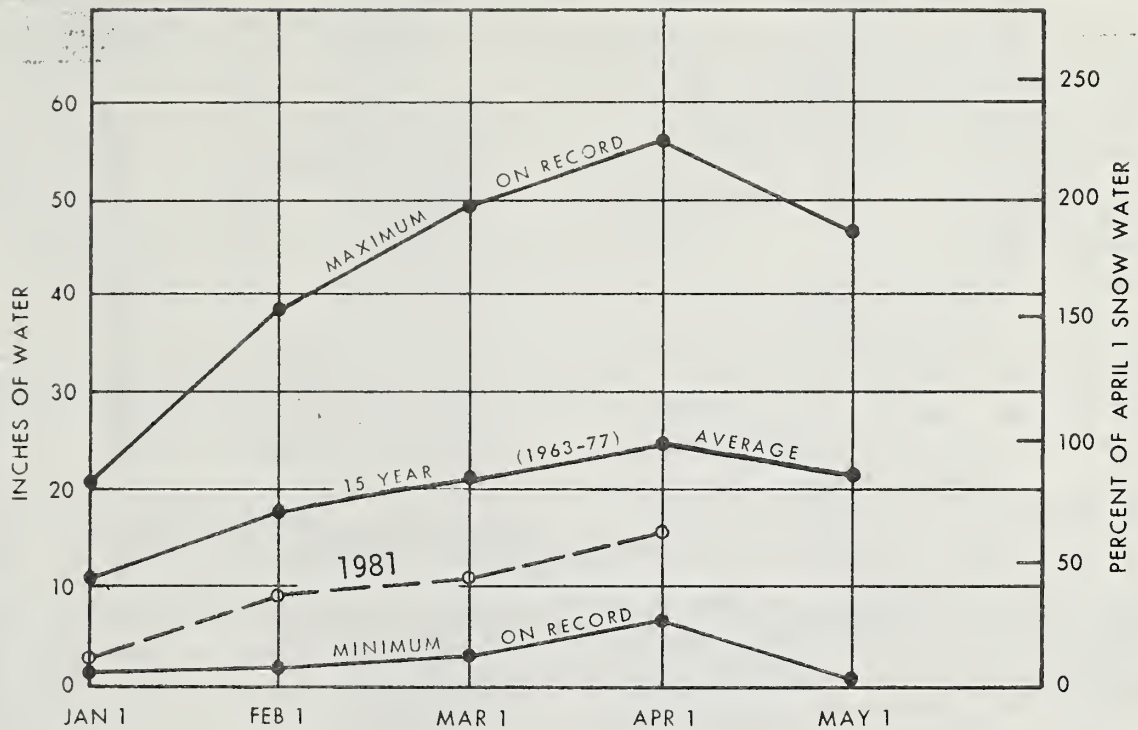
# WINTER SNOWPACK

## TAHOE, TRUCKEE, CARSON & WALKER BASINS

### CALIFORNIA - NEVADA

#### 1981

Data based on 9 long term Snow Courses



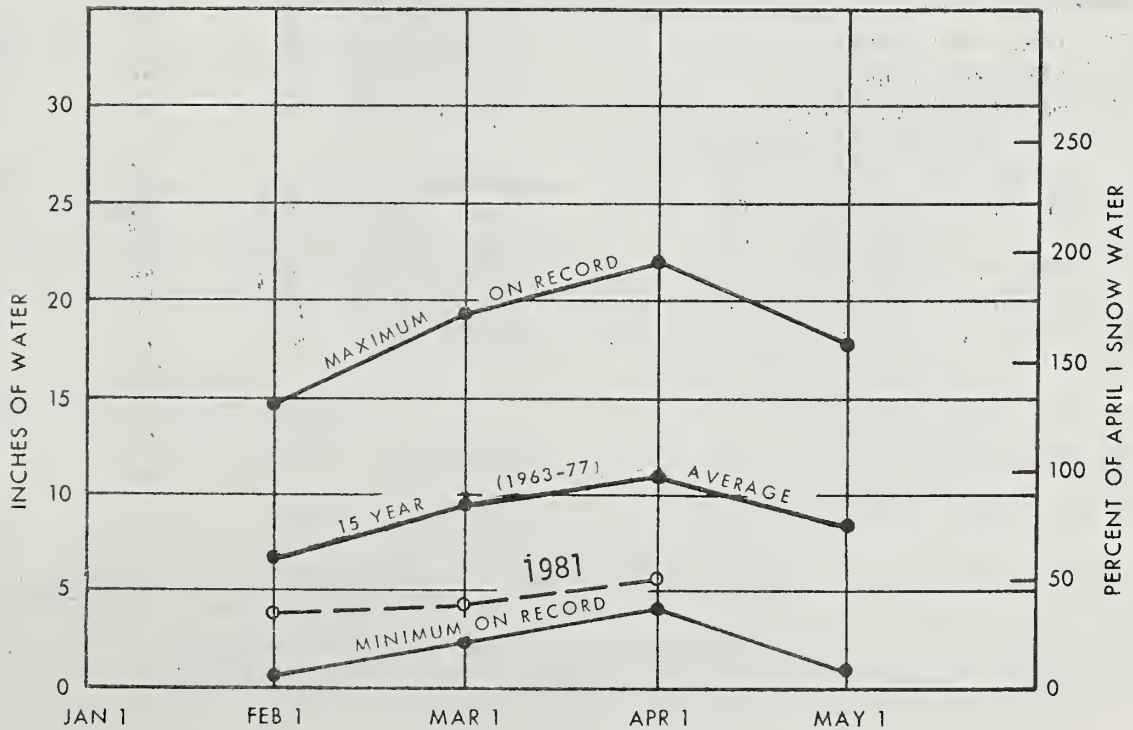
# WINTER SNOWPACK

## UPPER HUMBOLDT & SNAKE BASINS

### NEVADA

#### 1981

Data based on 13 selected Snow Courses



# STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1981

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1963-77 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
<b>TRUCKEE RIVER</b>				
Galena Creek near Steamboat, NV	April-July	2.6	59	4.4
Little Truckee River above Boca, CA	April-July	40	46	87
Truckee River at Farad, CA <sup>1/</sup>	April-July	140	51	273
Lake Tahoe Rise in Feet (assuming gates closed)	April 1 to high	.65	46	1.42
Sage Hen Creek, CA	April-July	3.5	53	6.5
Steamboat Creek at Steamboat, NV	April-July	3	60	5.2
<b>CARSON RIVER</b>				
East Carson near Gardnerville, NV	April-July	120	64	187
West Carson at Woodfords, CA	April-July	35	66	53
Carson River near Carson City, NV	April-July	100	55	183
Carson River near Fort Churchill, NV	April-July	90	54	167
<b>WALKER RIVER</b>				
East Walker near Bridgeport, CA <sup>2/</sup>	April-Aug.	45	65	69
W. Walker below L. Walker nr Coleville, CA	April-July	100	68	146
<b>SNAKE RIVER</b>				
Owyhee River near Owyhee, NV <sup>3/</sup>	April-July	29	36	80
Owyhee River near Gold Creek, NV <sup>3/</sup>	April-July	8	36	22
S. Fork Owyhee River nr White Rock, NV	April-July	20	24	83
Salmon Falls Creek nr San Jacinto, NV	March-Sept.			95
<b>HUMBOLDT RIVER</b>				
Lamoille Creek near Lamoille, NV	April-July	14	50	28
S. Fork Humboldt above Dixie Creek, NV	April-July	35	48	73
Marys River above Hot Springs, NV	April-July	14	38	37
N. Fork Humboldt at Devils Gate, NV	April-July	10	29	35
Humboldt River at Palisade, NV	April-July	90	41	221
Humboldt River at Comus, NV	April-July	65	37	175
Kingston Creek near Austin, NV	April-July	2.5	75	3.3
L. Humboldt River nr Paradise Val., NV	April-July	4	41	9.7
Martin Creek near Paradise, NV	April-July	9	60	15
Reese River near Ione, NV	April-July	5	75	6.6
Rock Creek near Battle Mountain, NV	April-July	6	38	16
<b>NORTHERN GREAT BASIN</b>				
Bidwell Creek near Fort Bidwell, CA	April-July	9	75	12
Mill Creek near Cedarville, CA	April-July	3.1	76	4.1
Deep Creek near Cedarville, CA	April-July	2.5	70	3.6
Eagle Creek near Eagleville, CA	April-July	3.1	72	4.3
Quinn River near McDermitt, NV	April-July	5	31	16
E. Fork Quinn River near McDermitt, NV	April-July	4	31	13
McDermitt Creek near McDermitt, NV	April-July	3	25	12
<b>EASTERN NEVADA</b>				
Franklin River near Arthur, NV	April-July	4	68	5.9
Steptoe Creek near Ely, NV	April-July	1.5	75	2
<b>COLORADO RIVER</b>				
Virgin River at Littlefield, AZ	April-June	35	74	48

**NOTE:** Streamflow forecasts which appear in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service in an effort to provide the best possible forecasting service to water users.

<sup>1/</sup> Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

<sup>2/</sup> Observed flow plus change in storage in Bridgeport Reservoir.

<sup>3/</sup> Observed flow plus change in storage in Wild Horse Reservoir.



# RESERVOIR STORAGE (Thousand Acre Feet) AS OF April 1, 1981

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
Owyhee	Wild Horse	72	52	46	35
Lower Humboldt	Rye Patch	172	168	156	132
Colorado	Mohave	1,810	1,705	1,637	1,700
Colorado	Mead	26,159	23,229	23,335	17,200
Tahoe	Tahoe	732	373	322	496
Truckee	Boca	41	27	23	22
Truckee	Stampede**	220	143	104	126*
Truckee	Prosser***	30	10	9	9*
Carson	Lahontan	291	243	243	242
West Walker	Topaz	59	48	52	47
East Walker	Bridgeport	42	42	33	36

\* Adjusted average.

\*\* Storage began August 1, 1969.

\*\*\* Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

## TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	883	430	786
January 1	793	432	844
February 1	859	676	920
March 1	898	795	968
April 1	953	875	1,010
May 1		937	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.

TOTAL USABLE CAPACITY 1,409

## PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
East Fork Carson River near Gardnerville, NV	1000-1250	1865
Carson River near Carson City, NV	1100-1350	2098
Carson River near Fort Churchill, NV	950-1200	1914
W. Walker R. below L. Walker near Coleville, CA	1000-1250	1589

## FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River near Gardnerville, NV	200	7/10	7/24
East Carson River near Gardnerville, NV	500	6/15	6/28

# SATELLITE SNOW COVER

## TAHOE-TRUCKEE, CARSON AND WALKER BASINS

March 28, 1981



SCALE 1:2,000,000  
DATA PROVIDED BY NOAA/NESS  
WASHINGTON D.C.

BASIN	THIS YEAR	PERCENT SNOW COVER	LAST YEAR	PERCENT SNOW COVER
TAHOE-TRUCKEE	November 27, 1980	8.0%	November 29, 1979	7.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	62.0%	January 26, 1980	30.0%
	February 22, 1981	26.0%	February 26, 1980	34.0%
	March 28, 1981	36.0%	March 29, 1980	24.0%
CARSON	November 27, 1980	3.0%	November 29, 1979	7.0%
	December 28, 1980	6.0%	December 27, 1979	31.0%
	February 1, 1981	33.0%	January 26, 1980	15.0%
	February 22, 1981	9.0%	February 26, 1980	16.0%
	March 28, 1981	18.0%	March 29, 1980	11.0%
WALKER	November 27, 1980	9.0%	November 29, 1979	3.0%
	December 28, 1980	11.0%	December 27, 1979	68.0%
	February 1, 1981	52.0%	January 26, 1980	25.0%
	February 22, 1981	21.0%	February 26, 1980	32.0%
	March 28, 1981	57.0%	March 29, 1980	27.0%

# SATELLITE SNOW COVER

## HUMBOLDT RIVER ABOVE COMUS, NEVADA

March 29, 1981



SCALE 1:2,500,000  
DATA PROVIDED BY NOAA/NESS  
WASHINGTON, D.C.

<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 27, 1980	43.0%	November 27, 1979	71.0%
December 26, 1980	4.0%	December 26, 1979	81.0%
February 1, 1981	89.0%	January 30, 1980	100.0%
February 4, 1981	78.0%	February 4, 1980	80.0%
February 10, 1981	53.0%	February 9, 1980	62.0%
February 22, 1981	13.0%	February 25, 1980	29.0%
March 9, 1981	11.0%	March 10, 1980	26.0%
March 24, 1981	11.0%	March 23, 1980	18.5%
March 29, 1981	40.0%	March 29, 1980	16.0%



# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

## LAKE TAHOE

Echo Peak (CA)	7,800	3/30/81	66	24.4	51.8	-
Echo Summit (CA)	7,450	4/01/81	59	19.0	39.9	32.5
Fallen Leaf (CA)	6,300	3/26/81	4	0.8	3.0	-
Freel Bench (CA)	7,300	3/30/81	10	3.0	13.8	10.2
Glenbrook #2	6,900	3/31/81	22	7.5	16.1	11.2
Hagan's Meadow (CA)	8,000	3/30/81	28	10.4	26.1	16.5
Heavenly Valley (CA)	8,800	3/30/81	60	18.3	39.9	28.1*
Lake Lucille (CA)	8,200	3/30/81	115	39.8	78.4	55.9
Marlette Lake	8,000	3/31/81	43	14.7	32.4	21.1
Richardsons #2 (CA)	6,500	3/26/81	27	8.5	17.8	15.2
Rubicon #1 (CA)	8,100	3/30/81	90	28.5	61.6	48.6
Rubicon #2 (CA)	7,500	3/30/81	54	18.1	38.9	29.1
Tahoe City Cross (CA)	6,750	3/27/81	19	7.4	24.2	-
Upper Truckee (CA)	6,400	3/30/81	6	1.9	8.8	7.9
Ward Creek #2 (CA)	7,000	3/31/81	63	25.0	56.3	40.6
Ward Creek #3 (CA)	6,750	4/02/81	70	26.9	47.5	39.4*

Summary: Total Snow Courses - 13

Snow Water Content Inches

Percent of Last Year, Average

(221.6) (477.5) (356.3)  
(46%) (62%)

## TRUCKEE RIVER

Boca #2 (CA)	5,900	3/29/81	0	0.0	4.2	3.9
Brockway Summit (CA)	7,100	3/27/81	23	7.9	27.1	16.9*
Castle Creek (CA) <sup>b</sup>	7,400	3/31/81	79	30.8	65.1	50.5
Donner Park #2 (CA)	6,000	3/29/81	14	5.6	17.4	16.7
Donner Summit (CA)	6,900	3/30/81	58	22.4	50.8	35.9
Fordyce Lake (CA) <sup>b</sup>	6,500	3/28/81	63	28.2	50.6	38.6
Furnace Flat (CA) <sup>b</sup>	6,700	3/28/81	83	33.6	62.3	45.7
Independence Camp (CA)	7,000	3/31/81	26	11.2	29.2	21.8
Independence Creek (CA)	6,500	3/31/81	12	4.4	16.1	12.7
Independence Lake (CA)	8,450	4/02/81	79	26.5	52.9	41.4
Little Valley	6,300	3/27/81	4	0.8	4.3	6.9
Mount Rose	9,000	4/02/81	62	20.8	48.6	35.9
Mount Rose Ski Area	8,850	3/31/81	78	28.8	58.1	38.5
Sage Hen Creek (CA)	6,500	3/31/81	19	8.5	21.0	17.3
Squaw Valley #2 (CA)	7,500	4/02/81	92	33.3	64.4	46.5*
Squaw Valley Gold Coast (CA)	8,200	4/02/81	104	37.3**	63.0	-
Truckee #2 (CA)	6,400	3/27/81	16	5.6	18.5	14.3
Webber Lake (CA)	7,000	3/30/81	60	20.0	42.0	28.9
Webber Peak (CA)	8,000	3/30/81	80	25.4	55.0	42.7*

Summary: Total Snow Courses - 15

Snow Water Content Inches

Percent of Last Year, Average

(219.7) (509.6) (380.3)  
(43%) (58%)

+ 1963-1977 period.



# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

## CARSON RIVER

Blue Lakes (CA)	8,000	3/30/81	78	25.5	45.4	34.6
Carson Pass, Upper (CA)	8,600	3/27/81	80	25.2	44.6	33.1
Clear Creek	7,300	3/27/81	12	2.4	15.4	11.6
Ebbetts Pass AM (CA)	8,700	3/30/81	80	28.9 <sub>a</sub>	60.7 <sub>a</sub>	33.8 <sub>a</sub>
Ebbetts Pass #2 (CA)	8,700	3/30/81	80	28.9	59.9	-
Fish Valley, Upper AM (CA)	8,050	3/30/81	42	10.5 <sub>a</sub>	19.7 <sub>a</sub>	13.3 <sub>a</sub>
Monitor Pass AM (CA)	8,350	3/30/81	27	8.6 <sub>a</sub>	-	-
Poison Flat (CA)	7,900	3/30/81	38	13.5	29.5	17.3*
Spratt Creek (CA)	6,100	3/30/81	0	0.0	-	-
Wet Meadows Lake AM (CA)	8,050	3/30/81	67	22.8 <sub>a</sub>	43.7 <sub>a</sub>	25.7 <sub>a</sub> *
Wet Meadows #2 (CA)	8,050	3/30/81	85	28.9	57.8	-
Wolf Creek AM (CA)	8,000	3/30/81	54	19.4 <sub>a</sub>	43.4 <sub>a</sub>	27.8 <sub>a</sub> *

Summary: Total Snow Courses - 7  
Snow Water Content Inches (137.7) (282.7) (197.2)  
Percent of Last Year; Average (49%) (70%)

## WALKER RIVER

Buckeye Roughs (CA)	7,900	3/30/81	25	9.8	29.0	18.0
Center Mountain AM (CA)	9,400	3/30/81	87	26.5 <sub>a</sub>	62.0 <sub>a</sub>	40.8 <sub>a</sub>
Center Mountain (CA)	9,400	3/30/81	83	25.6	56.9	34.3*
Leavitt Lake (CA)	9,400	3/30/81	92	34.6	74.8	-
Leavitt Meadows (CA)	7,200	3/30/81	11	4.7	14.6	6.7
Lobdell Lake (CA)	9,200	3/30/81	49	13.0	29.4	16.3
Sawmill Ridge (CA)	8,750	3/30/81	41	11.7	31.1	-
Sonora Pass (CA)	8,800	3/30/81	53	17.8	40.2	23.1
Sonora Pass Bridge (CA)	8,800	3/30/81	54	17.1	37.3	26.0
Tioga Pass (CA) <sup>b</sup>	9,900				44.8	24.1
Virginia Lakes (CA)	9,500	3/30/81	49	15.4	29.4	16.0*
Virginia Lakes Ridge (CA)	9,200	3/30/81	52	13.4	28.5	16.9
Willow Flat (CA)	8,250	3/30/81	21	7.5	18.0	9.5

Summary: Total Snow Courses - 10  
Snow Water Content Inches (150.8) (345.3) (207.6)  
Percent of Last Year; Average (44%) (73%)

## NORTHERN GREAT BASIN

Bald Mountain AM	6,720	3/28/81	0	0.0 <sub>a</sub>	8.6 <sub>a</sub>	2.3 <sub>a</sub>
Barber Creek (CA)	6,500	3/26/81	11	3.8	18.3	11.4
Cedar Pass (CA)	7,100	3/24/81	25	9.8	27.1	16.3
Denio Creek AM (OR)	6,000				0.1 <sub>a</sub>	0.3 <sub>a</sub>
Disaster Peak	6,500	3/31/81	0	0.0**	-	10.9
Dismal Swamp #2 (CA)	7,000	3/31/81	59	21.9	36.0	-
Eagle Peak (CA)	7,200	3/30/81	37	11.6	22.3	14.5
49 Mountain	6,000	3/23/81	3	1.1	5.1	2.8
Government Corral (OR)	7,450	4/01/81	46	14.3	-	-
Hays Canyon	6,400	3/26/81	1	0.1	5.6	2.6
Little Bally Mountain AM	6,000	3/28/81	1	0.1 <sub>a</sub>	7.7 <sub>a</sub>	2.0 <sub>a</sub>
Mount Bidwell (CA)	7,240	3/27/81	60	19.8	37.7	26.0*
North Star (CA)	6,200	3/27/81	40	13.0	23.5	19.1*
Oregon Canyon AM (OR)	7,240				8.9 <sub>a</sub>	3.6 <sub>a</sub> *
Quinn Ridge AM	6,300				0.0 <sub>a</sub>	0.9 <sub>a</sub>
Reservation Creek (CA)	5,900	3/31/81	18	7.5	16.8	10.5
Trout Creek AM (OR)	7,800				16.2 <sub>a</sub>	7.3 <sub>a</sub>

Summary: Total Snow Courses - 10  
Snow Water Content Inches (66.8) (172.8) (107.5)  
Percent of Last Year; Average (39%) (62%)

# SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
SNAKE RIVER						
Bear Creek	7,800	3/31/81	50	13.9	23.9	21.3
Fox Creek	6,800	3/31/81	13	3.9	12.8	9.9*
Goat Creek	8,200	3/31/81	43	11.4	22.2	18.6
Hummingbird Springs	8,945	3/31/81	55	14.3	28.1	23.7
Merritt Mountain AM	7,000	3/28/81	20	4.5a	9.3a	5.4a
Pole Creek Ranger Station	8,330	3/31/81	49	14.9	24.2	22.5
Seventy Six Creek	7,100	3/31/81	20	6.8	15.4	11.4
Stag Mountain AM	7,700	3/28/81	4	1.0	10.2a	4.8a
Summary: Total Snow Courses - 8						
Snow Water Content Inches				(70.7)	(146.1)	(117.6)
Percent of Last Year; Average					(48%)	(60%)

## OWYHEE RIVER

Big Bend	6,700	3/25/81	4	1.0	10.1	8.2
Columbia Basin AM	6,650	3/28/81	2	0.2 <sub>a</sub>	5.6 <sub>a</sub>	6.9 <sub>a</sub>
Fawn Creek #2	7,050	3/30/81	48	11.9**	21.3	-
Gold Creek	6,600	3/25/81	0	0.0	5.9	4.8
Jack Creek, Lower	7,250	3/25/81	1	0.1	5.8	2.3
Jack Creek, Upper	7,250	3/25/81	11	2.9	10.9	9.4
Jack Creek #2, Upper	7,250	3/25/81	5	9.3	22.3	-
Jacks Peak	8,420	3/25/81	49	12.3	26.9	24.4*
Laurel Draw	6,700	3/25/81	14	4.5	9.6	6.8*
Louse Canyon AM (OR)	6,440				10.6 <sub>a</sub>	2.6 <sub>a</sub> *
Taylor Canyon	6,200	3/25/81	0	0.0	3.7	2.7
Summary: Total Snow Courses -						
Snow Water Content Inches						
Percent of Last Year; Average						

## UPPER HUMBOLDT RIVER

America Beauty AM	7,800	3/31/81	21	5.5 <sub>a</sub>	9.9 <sub>a</sub>	8.4 <sub>a</sub>
Corral Canyon	8,500	3/24/81	36	10.2	17.9	17.5
Dorsey Basin	8,100	3/24/81	23	7.2	18.7	12.3
Dry Creek	6,500	3/24/81	0	0.0	0.1	1.3*
Fry Canyon	6,700	3/25/81	6	2.1	10.2	6.1
Green Mountain	8,000	3/24/81	19	5.6	12.3	11.6*
Harrison Pass #1	6,600	3/24/81	0	0.0	0.1	2.0*
Harrison Pass #2	7,400	3/24/81	0	0.0	0.1	4.0*
Lamoille #1	7,100	3/24/81	12	3.6	14.0	7.8
Lamoille #3	7,700	3/24/81	18	5.4	15.7	12.2
Lamoille #5	8,700	3/24/81	51	13.7	36.2	26.9
Pole Canyon #2	7,700	3/24/81	9	2.9	18.1	-
Robinson Lake AM	9,200	3/31/81	80	22.0 <sub>a</sub>	38.5 <sub>a</sub>	27.5 <sub>a</sub>
Rodeo Flat	6,800	3/25/81	6	1.4	8.8	4.9
Ryan Ranch	5,800	3/24/81	0	0.0	0.0	0.1
Smith Creek	7,700	3/24/81	31	8.6	12.9	-
Tent Mountain AM, Lower	7,000	3/28/81	12	3.0 <sub>a</sub>	7.1 <sub>a</sub>	15.5 <sub>a</sub> *
Tent Mountain AM, Upper	8,350	3/25/81	69	17.0 <sub>a</sub>	21.7 <sub>a</sub>	20.5 <sub>a</sub> *
Tremewan Ranch	5,700	3/25/81	0	0.0	0.0	0.3
Trout Creek, Lower	6,900	3/24/81	0	0.0	5.5	2.5
Trout Creek, Upper AM	8,500	3/24/81	1	0.1 <sub>a</sub>	16.8 <sub>a</sub>	18.2 <sub>a</sub>
Summary: Total Snow Courses - 18						
Snow Water Content Inches				(96.7)	(216.8)	(181.4)
Percent of Last Year; Average					(45%)	(53%)

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †

## LOWER HUMBOLDT RIVER

Big Creek Campground	6,600	3/25/81	0	0.0	0.3	1.1
Big Creek Mine	7,600	3/25/81	7	2.0	4.6	4.1
Big Creek Summit	8,700	3/25/81	35	10.0	16.0	-
Big Creek, Upper	7,800	3/25/81	14	4.1	6.3	6.3
Buckskin, Lower	6,700	3/25/81	8	2.1	9.9	7.0
Buckskin, Upper	8,200	3/25/81	8	1.8	14.9	9.9
Golconda #2	6,000	3/25/81	0	0.0	4.1	2.3*
Granite Peak	7,800	3/25/81	37	9.9	-	15.1*
Lamance Creek	6,000	3/25/81	4	1.3	10.0	6.4
Martin Creek	6,700	3/25/81	5	1.7	11.4	8.1
Midas	7,200	3/25/81	0	0.0	0.0	1.8
Toe Jam AM	7,700	3/28/81	24	5.0	11.9 <sub>a</sub>	8.3 <sub>a</sub> *
Summary: Total Snow Courses - 10						
Snow Water Content Inches				(18.0)	(73.4)	(70.4)
Percent of Last Year; Average					(25%)	(26%)

## EASTERN NEVADA

Baker #1	7,950	3/25/81	21	6.5	13.0	5.8
Baker #2	8,950	3/25/81	42	12.0	23.0	12.8*
Baker #3 AM	9,250	3/29/81	50	14.5 <sub>a</sub>	19.0 <sub>a</sub>	15.5 <sub>a</sub>
Berry Creek	9,100	3/28/81	55	11.5	19.0	14.2
Bird Creek	7,500	3/30/81	16	4.8	8.7	2.7
Defiance Mines AM	9,400	NS	-	-	24.5 <sub>a</sub>	16.6 <sub>a</sub> *
Hole-in-Mountain	7,900	3/24/81	14	4.2	29.0	21.1*
Kalamazoo Creek	7,400	3/29/81	23	7.2	12.9	6.1*
Murray Summit	7,250	3/30/81	1	0.1	1.8	1.6
Robinson Summit	7,600	3/30/81	1	0.1	0.3	1.0
Silver Creek #2 AM	8,000	3/29/81	0	0.0 <sub>a</sub>	3.0 <sub>a</sub>	5.1 <sub>a</sub>
Ward Mountain #2 AM	9,200	3/29/81	29	7.3 <sub>a</sub>	14.0 <sub>a</sub>	7.7 <sub>a</sub>
Summary: Total Snow Courses - 11						
Snow Water Content Inches				(68.2)	(143.7)	(93.6)
Percent of Last Year; Average					(47%)	(72%)

## CENTRAL GREAT BASIN

Chiatovich Flat AM (CA)	10,500	NS	-	-	-	-
Clark Canyon	9,000	3/25/81	17	5.5	20.1	6.9*
Montgomery Pass	7,100	3/30/81	0	0.0	0.0	0.8
Pinchot Creek AM (CA)	9,300	NS	-	-	-	-
Piute Pass AM (CA)	11,700	NS	-	-	-	-
Trough Springs	8,500	3/25/81	11	3.5	-	3.5*
Summary: Total Snow Courses - 2						
Snow Water Content Inches				(5.5)	(20.1)	(7.7)
Percent of Last Year; Average					(27%)	(71%)

† 1963-1977 period.



# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †

## LOWER COLORADO RIVER

Corduroy Flat AM	8,720	3/29/81	31	5.0 <sup>a</sup>	-	-
Ella Mountain AM	7,050	3/29/81	0	0.0 <sup>a</sup>	-	-
Kyle Canyon	8,200	3/24/81	21	8.1	20.4	7.6*
Lee Canyon #2	9,000	3/24/81	20	6.5	20.8	7.7
Lee Canyon #3	8,500	3/24/81	16	5.5	18.2	6.3
Mathew Canyon AM	6,000	3/29/81	0	0.0 <sup>a</sup>	-	-
Mt. Wilson AM	8,050	3/29/81	0	0.0 <sup>a</sup>	-	-
Pine Canyon AM	6,200	3/29/81	0	0.0 <sup>a</sup>	-	-
Rainbow Canyon #2	8,100	3/24/81	37	11.4	27.1	13.4
White River AM	7,400	3/29/81	8	1.7 <sup>a</sup>	-	-
Summary: Total Snow Courses - 4						
Snow Water Content Inches				(31.5)	(86.5)	(35.0)
Percent of Last Year; Average					(36%)	(90%)

## DESERT RESEARCH INSTITUTE MEASUREMENTS

### TAHOE-TRUCKEE BASIN

Alder Creek	6,960	3/31/81	50	19.2	38.2	-
Apollo Way	7,300	3/28/81	3	0.8	13.8	-
Bennett Flat	6,200	3/29/81	1	0.1	19.2	-
Davis Creek	5,160	3/28/81	0	0.0	0.0	-
Evergreen Hills Road	5,700	3/29/81	0	0.0	0.0	-
Galena Creek	7,440	3/29/81	30	11.7	28.5	-
Hennes Pass Junction	6,410	3/31/81	14	4.6	16.2	-
Hobart Mills	5,850	3/31/81	0	0.0	9.9	-
Incline Lake	8,000	3/28/81	26	10.8	38.8	-
Jones Creek	6,000	3/29/81	0	0.0	0.0	-
Mount Rose Resort	8,280	3/29/81	50	17.8	46.0	-
North Star Fire Department	6,320	3/29/81	0	0.0	8.1	-
Reindeer Lodge	7,060	3/29/81	0	0.0	15.7	-
RNR Test Site	6,400	3/29/81	0	0.0	9.4	-
Sky Tavern	7,620	3/29/81	4	2.1	27.3	-
Spooner Summit	7,620	3/28/81	16	7.8	23.3	-
Squaw Valley Fire Department	6,240	3/29/81	1	0.1	17.8	-
Tahoe City	6,240	3/29/81	0	0.0	15.7	-
Tahoe Meadows	8,540	3/28/81	69	23.4	56.2	-
Tamarack Lake	8,820	3/29/81	58	22.2	46.4	-
Third and Incline Creeks	6,235	3/28/81	0	0.0	0.0	-
Thunder Cliff	6,200	3/29/81	0	0.0	15.0	-
Truckee Airport	5,900	3/29/81	0	0.0	2.5	-
Whites Creek	5,670	3/29/81	0	0.0	0.0	-

<sup>a</sup> Aerial Marker

<sup>b</sup> Located on adjacent basin

\* Less than 15-year record

\*\* SNOTEL provisional

NS Not surveyed this month

NOTE: All averages based on 1963-77, 15-year period. Forecast period is April 1 through July 31 unless otherwise noted.



# PRECIPITATION (Inches) FOR MARCH 1981 - Soil Conservation Service

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>TAHOE-TRUCKEE</u>							
Echo Peak (CA)	7,800	4/01/81	5.6	7.5	25.9	60.0	29.5
Fallen Leaf (CA)	6,240	4/01/81	4.2	2.1	16.4	39.9	17.8
Hagan's Meadow (CA)	8,000	4/01/81	4.1	4.0	15.6	38.9	23.8
Heavenly Valley (CA)	8,800	4/01/81	5.2	4.2	17.4	35.6	-
Independence Camp (CA)	7,000	4/01/81	3.7	4.4	18.4	41.0	21.3
Independence Creek (CA)	6,500	4/01/81	3.4	3.5	16.5	30.7	19.1
Independence Lake (CA)	8,450	4/01/81	4.8	5.4	24.9	53.8	22.5
Marlette Lake	8,000	4/01/81	5.0	6.0	18.4	38.0	24.2
Mt. Rose	9,000	4/01/81	3.1	3.8	16.4	37.0	22.9
Mt. Rose Ski Area	8,850	4/01/81	5.7	7.3	26.9	73.1	40.3
Rubicon #2 (CA)	7,500	4/01/81	5.4	5.3	22.5	48.6	27.8
Squaw Valley Gold Coast (CA)	7,800	4/01/81	8.0	-	34.3	-	-
Tahoe City Cross (CA)	6,750	4/01/81	4.3	4.9	20.3	46.1	26.3
Truckee #2 (CA)	6,400	4/01/81	3.7	4.7	16.7	37.7	20.3
Ward Creek #3 (CA)	6,750	4/01/81	8.0	6.7	36.0	75.8	45.1
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	4/01/81	7.6	-	25.2	-	-
Ebbetts Pass #2 (CA)	8,700	4/01/81	8.7	5.1	30.8	60.5	39.3
Leavitt Meadows (CA)	7,200	4/01/81	4.2	3.3	18.6	37.3	26.8
Lobdell Lake (CA)	9,200	4/01/81	5.0	4.7	15.0	26.9	18.8
Pine Nut Creek* (CA)	6,600	3/30/81	2.2	-	6.6	-	-
Poison Flat (CA)	7,900	4/01/81	4.8	3.8	16.7	36.4	28.1
Sonora Pass Bridge (CA)	8,800	4/01/81	4.9	6.6	19.5	42.4	-
Spratt Creek (CA)	6,080	4/01/81	4.4	-	18.0	-	-
Virginia Lakes Ridge (CA)	9,200	4/01/81	6.7	3.9	17.1	33.1	22.4
Wet Meadows #2 (CA)	8,050	4/01/81	10.1	10.2	30.7	55.1	32.6
<u>HUMBOLOT</u>							
Big Creek Summit	8,700	4/01/81	6.0	3.4	11.6	13.1	18.9
Buckskin, Lower	6,700	4/01/81	4.0	4.1	13.0	20.0	13.6
Corral Canyon	8,500	4/01/81	5.9	5.0	13.4	20.7	18.0
Dorsey Basin	8,100	4/01/81	5.2	5.5	13.7	22.6	20.4
Fry Canyon*	6,700	3/25/81	2.0	-	9.0	-	-
Granite Peak	7,800	4/01/81	4.0	7.8	14.4	18.2	18.2
Green Mountain	8,000	4/01/81	5.3	4.0	13.0	20.0	19.4
Lamance Creek	6,000	4/01/81	2.8	3.2	12.0	24.8	15.7
Lamoille #3	7,700	4/01/81	5.1	4.9	12.5	21.0	17.1
Martin Creek*	6,700	3/25/81	1.6	3.6	11.3	23.1	17.6
Midas*	7,200	3/25/81	1.3	1.8	6.3	-	-
Rodeo Flat*	6,800	3/25/81	1.1	1.6	6.8	13.4	10.2
Trout Creek, Lower*	6,900	3/24/81	0.8	2.8	5.2	16.3	10.5

# PRECIPITATION (Inches) FOR MARCH 1981 - Soil Conservation Service

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1979
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	4/01/81	5.0	5.7	14.9	25.7	19.0
Big Bend	6,700	4/01/81	2.9	1.6	8.8	13.1	10.3
Fawn Creek #2	7,000	4/01/81	5.0	4.7	16.1	25.5	21.8
Goat Creek	8,800	4/01/81	5.9	5.8	13.9	26.5	20.6
Jack Creek #2, Upper	7,250	4/01/81	4.2	4.4	14.4	20.2	16.9
Jacks Peak*	8,420	3/25/81	4.0	2.0	15.8	26.6	22.2
Laurel Draw	6,700	4/01/81	3.5	3.1	11.9	20.0	15.8
Pole Creek Ranger Station	8,330	4/01/81	2.1	2.2	7.7	15.1	14.5
Seventy Six Creek	7,100	4/01/81	2.3	1.5	8.5	15.8	12.6
Taylor Canyon	6,200	4/01/81	1.4	0.8	4.3	8.2	7.7
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	4/01/81	4.2	-	12.2	17.8	16.9
Hole-in-Mountain	8,900	3/24/81	1.6	-	10.2	-	-
Ward Mountain	8,900	4/01/81	4.6	-	12.5	-	-
<u>NORTHERN GREAT BASIN</u>							
Cedar Pass (CA)	7,100	4/01/81	4.8	5.6	19.2	31.9	18.2
Disaster Peak	6,500	4/01/81	2.5	-	10.1	-	14.9
Dismal Swamp #2 (CA)	7,050	4/01/81	6.8	-	27.2	39.7	-
Ferguson Ranch*	5,560	3/26/81	1.4	-	-	-	-
49 Mountain*	6,000	3/26/81	2.8	-	7.3	-	-
Mt. Bidwell* (CA)	7,240	3/27/81	6.8	-	24.0	-	-
all data SNOTEL provisional. * Non-SNOTEL storage gage.							

# PRECIPITATION (Inches)

FOR MARCH 1981 - NATIONAL WEATHER SERVICE

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			OCTOBER 1 TO DATE		
		Month's Precipitation	Last Year	This Month's % of Normal	This Year	Last Year's	This Year's % of Normal
<u>TRUCKEE-TAHOE</u>							
Boca	5,575	2.41	2.31	97	10.80	22.18	61
Glenbrook	6,350	2.45	1.81	118	9.53	18.51	66
Incline Village	6,550	2.73	2.31	104	11.61	24.22	65
Reno	4,404	.58	.76	83	2.67	7.93	54
Sierraville	4,975	2.53	2.50	89	12.58	30.08	56
Tahoe City	6,230	3.80	3.39	97	17.88	40.93	64
Truckee Ranger Station	5,995	3.39	4.03	85	15.44	33.13	57
<u>CARSON-WALKER</u>							
Bridgeport Ranger Station	6,560	1.80	1.50	173	7.11	14.24	80
Carson City	4,651	.82	.87	74	5.00	13.61	55
Fallon Experiment Station	3,965	.49	.17	104	1.70	2.70	66
Hawthorne	4,215	1.15	.55	261	2.92	2.45	133
Minden	4,720	.36	.52	46		8.94	
Twin Lakes	7,879	5.41	4.72	78	24.46	50.99	60
Woodfords	5,971	1.89	1.89	94	9.47	24.32	57
<u>HUMBOLOT</u>							
Austin	6,605	4.09	1.74	301	6.99	6.47	112
Battle Mountain	4,530	1.65	.63	270	3.46	4.90	88
Deeth	5,338	1.59	1.93	230	4.02	7.00	103
Elko	5,075	1.20	.77	145	3.19	7.65	57
Emigrant Pass	5,755	2.36	.99	170	4.38	4.77	61
Jiggs	5,760	2.32	1.46	211	4.74	6.77	78
Lamoille	5,800	2.19	1.60	104	5.13	9.27	52
Lovelock FAA	3,900	.32	.18	94	1.50	3.59	58
North Fork	6,600	1.32	.78	153	4.93	9.92	82
Paradise Valley	4,675	1.13	.37	126	3.65	9.02	59
Wells	5,650	.81	.72	90	2.41	7.59	42
Winnemucca	4,301	.97	.53	137	2.96	4.43	59
<u>SNAKE-OWYHEE</u>							
Contact	5,365	.51	.45	73	1.96	4.76	49
Mountain City	5,620	1.18	1.10	*	4.58	11.15	*
Owyhee	6,491	1.53	1.41	113	6.03	5.64	76
Tuscarora	6,170	1.77	1.12	116	5.17	10.27	60
<u>EASTERN NEVADA</u>							
Arthur	6,280	2.01	2.15	128	5.05	13.42	58
Ely	6,253	1.32	1.57	155	4.29	5.31	106
Montello	4,880	.26	.48	81	1.28	4.76	43
Pequop	6,030	1.10	1.38	*	3.20	9.16	*
Ruby Lake	6,012	.89	1.43	71	3.82	11.56	52
<u>NORTHERN GREAT BASIN</u>							
Alturas Ranger Station	4,400	1.10	1.27	92	4.09	9.84	49
Cedarville	4,670	1.49	1.27	126	6.59	13.82	66
Ft. Bidwell	4,498	2.14	1.60	150	10.31	17.16	92
Orovada	4,310	1.30	.83	130	4.45	6.90	70
Susanville	4,148	1.31	.83	104	6.69	14.28	58
<u>CENTRAL GREAT BASIN</u>							
Tonopah	5,426	1.18	.51	513	2.07	2.07	111
<u>LOWER COLORADO RIVER</u>							
Caliente	4,402	2.71	1.58	308	4.53	6.90	95
Las Vegas	2,162	1.44	.94	436	1.78	4.91	85
Pioche	6,165	1.90	2.23	110	3.18	11.21	42
* Not Available.							

\* Not Available.





## AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

### FEDERAL

Agricultural Research Service  
Bureau of Reclamation  
Fish and Wildlife Service  
Forest Service  
Geological Survey  
Soil Conservation Service  
U. S. District Court - Federal Water Master  
NOAA, National Weather Service

### STATE

California Cooperative Snow Surveys  
California Department of Parks and Recreation  
California Department of Water Resources  
Colorado River Commission of Nevada  
Idaho Cooperative Snow Surveys  
Nevada Association of Conservation Districts  
Nevada Department of Conservation & Natural Resources  
    Division of Water Resources  
    Nevada State Forester  
Oregon Cooperative Snow Surveys  
University of Nevada, Desert Research Institute  
Utah Cooperative Snow Surveys  
White Mountain Research Station, Univ. of California

### PRIVATE

Amalgamated Sugar Company  
Kennecott Copper Corporation  
Nevada Irrigation District  
Owyhee Project North Board of Control  
Owyhee Project South Board of Control  
Pacific Gas and Electric Company  
Pershing County Water Conservation District  
Sierra Pacific Power Company  
Truckee - Carson Irrigation District  
Walker River Irrigation District  
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

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